

## 8.3: Data and Analysis

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### **Data Collection (Data and Analysis)**

(Acquiring competencies) Following your detailed protocol based on the videos, perform all the experiments. Record your observations and take pictures of your key steps in the process. Your observations and images need to be incorporated in your data section and this section should be as detailed as possible as you will use this information to complete your discussion.

### **Data Processing (Data and Analysis)**

1. (Experiment design) Propose an alternate method for extracting the scented compounds from the plants.
2. (Assumptions and Analysis) Fill in the following table using the observations and data from your experiments.

Assumptions made	Testing the assumption	If assumptions are wrong ...
Your nose is equally sensitive to both oil and water-soluble compounds.	This would require instrumentation.	Leads to incorrect conclusions.

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